



PROJECT NUMBER

323666

BORING ID:

17C074

Sheet 1 of 1

SOIL BORING LOG

PROJECT: Beale AFB-Site 17 PRB, Phase 1 Drilling

LOCATION: Secondary Source Area

ELEVATION: 149.19

NORTHING: 2162330.05

EASTING: 6743803.56

DRILLING CONTRACTOR: Resonant Sonic International, Woodland, CA

DRILLING METHOD AND EQUIPMENT USED: Sonic Direct Push - Power Probe 9630

WATER LEVELS: 8.7 ft bgs

START: 6/28/2005 8:00:00 AM

END:

LOGGER: B. Moayyad

| DEPTH BGS (ft) | | | | STANDARD PENETRATION TEST RESULTS | CORE DESCRIPTION: | COMMENTS: |
|----------------|-------|--------------|--|--|--|--|
| INTERVAL (ft) | | | | | SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY. | DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. |
| | | RECOVERY | TYPE-# <small>SS-Split Spoon ST-Shelby Tube</small> | | | |
| 0 | 0-4 | 2.3/ 4.0' | | | SM - SILTY SAND (SM), brown, dry, medium dense, cohesive, sticky | |
| 1 | | | | | - when wet, ~35% fines | |
| 2 | | | | | - | |
| 3 | | | | | - | |
| 4 | 4-11 | 2.5/ 4.0' | | | GW - WELL GRADED GRAVEL WITH SAND (GW), brown, dry, subrounded, | PID = 0.0 |
| 5 | | | | | - fine to medium gravel ~65%, ~33% sand, ~2% fines | |
| 6 | | | | | - | |
| 7 | | | | | - | |
| 8 | | 2.0/ 4.0' | | | GW - Same as above, becomes saturated at 9 ft, becomes silty | PID = 0.0 (soil) |
| 9 | | | | | - below 10 ft | |
| 10 | | | | | - | |
| 11 | 11-17 | 2.5/ 4.0' | | | GM - SILTY GRAVEL (GM), mottled gray to brown, wet, sticky, | |
| 12 | | | | | - dense, ~50% gravel, ~20% sand, ~30% fines | |
| 13 | | | | | GM - | 9:10 Collect 17C074HP10 at 12 ft. PID = 0.7 max from water |
| 14 | | | | | - | |
| 15 | | | | | - | |
| 16 | | | | | - | |
| 17 | 17-20 | 2.7/ 4.0' | | | SM - SILTY SAND WITH GRAVEL (SM), brown, wet, medium density, | PID = 0.5 (soil) |
| 18 | | | | | - ~70-80% sand, ~5-15% gravel, ~10-15% fines | |
| 19 | | | | | - | |
| 20 | | | | | SM - EOB at 20 ft bgs | 9:40 Collect 17C074HP20 from 15-29 ft. Water level at 12 ft bgs. PID = 30.1 (water) |
| 21 | | | | | - | |